

# Sai Vegasena

Website: [svegas18.me](http://svegas18.me) Email: [sv232@nyu.edu](mailto:sv232@nyu.edu) Github: [github.com/sv232](https://github.com/sv232)

## Experience

---

### Security Intern at MWR Infosecurity an F-Secure Company 5/18 - 8/18

Performed web application and network segmentation tests on a real world attack surface, produced research on coverage guided fuzzing, and published a blog-post with my findings and research results.

### Software Engineer at PiBrain 11/17 - 1/18

Seq2Seq implementation using tensorflow and neural machine translation to build a cost effective assistant

### OSIRIS Lab Researcher\NYUSEC CTF Team Member 12/16 - Current

Participate in the cybersecurity research lab and NYU CTF Team. Currently help run CSAW, HSF.

**CSAW 2017/2018:** Organizer and Problem Writer

**HSF 2017:** Problem Writer

## Projects

---

### **KLEENEX** 7/18 - 8/18

C++ wrapper around KLEE and AFL for intelligent, coverage guided fuzzing. Developed while doing research at MWR

### **Insanity** 4/18 - 8/18

LLVM pass that obfuscates against symbolic execution

### **Horus** 1/25 - Current

Pluggable framework that queries and puts “the internet” into a gigantic DB; finds dangling domains and publicly facing docker registries. Bug Bounties on 2 Alexa top 1000 domains and reported bounties to 15 large corporations.

### **PiBrain Assistant** 11/17 - 1/18

Modeling an encoder and decoder neural network to simulate language understanding; written with tensorflow and AWS.

## Technologies/Skills

---

**Binary Exploitation:** BinaryNinja, KLEE, AFL, IDA, Angr, Pwntools, Pwndbg, GDB, Manticore, Apktool, Windbg

**Web:** Burp Suite, Kali Linux, Nessus, Metasploit, SQLmap, Heroku, Flask, MySQL/SQLAlchemy, Jekyll, Git

**ML:** Tensorflow, Openai API **Infra:** Docker **Creative:** Processing, Particles.js

## Education

---

**New York University;** B.S in Computer Science 2016 - 2020 (expected)

## Languages

---

C C++ Python LLVM Rust Go Bash HTML SQL CSS JavaScript

